作成承認印	配布許可印
ニコンカメラサービス部 GM	パーツセンター M

FM10 FAA 31051

PARTS LIST
修理部品表

Nikon | NIKON CORPORATION
Tokyo, Japan

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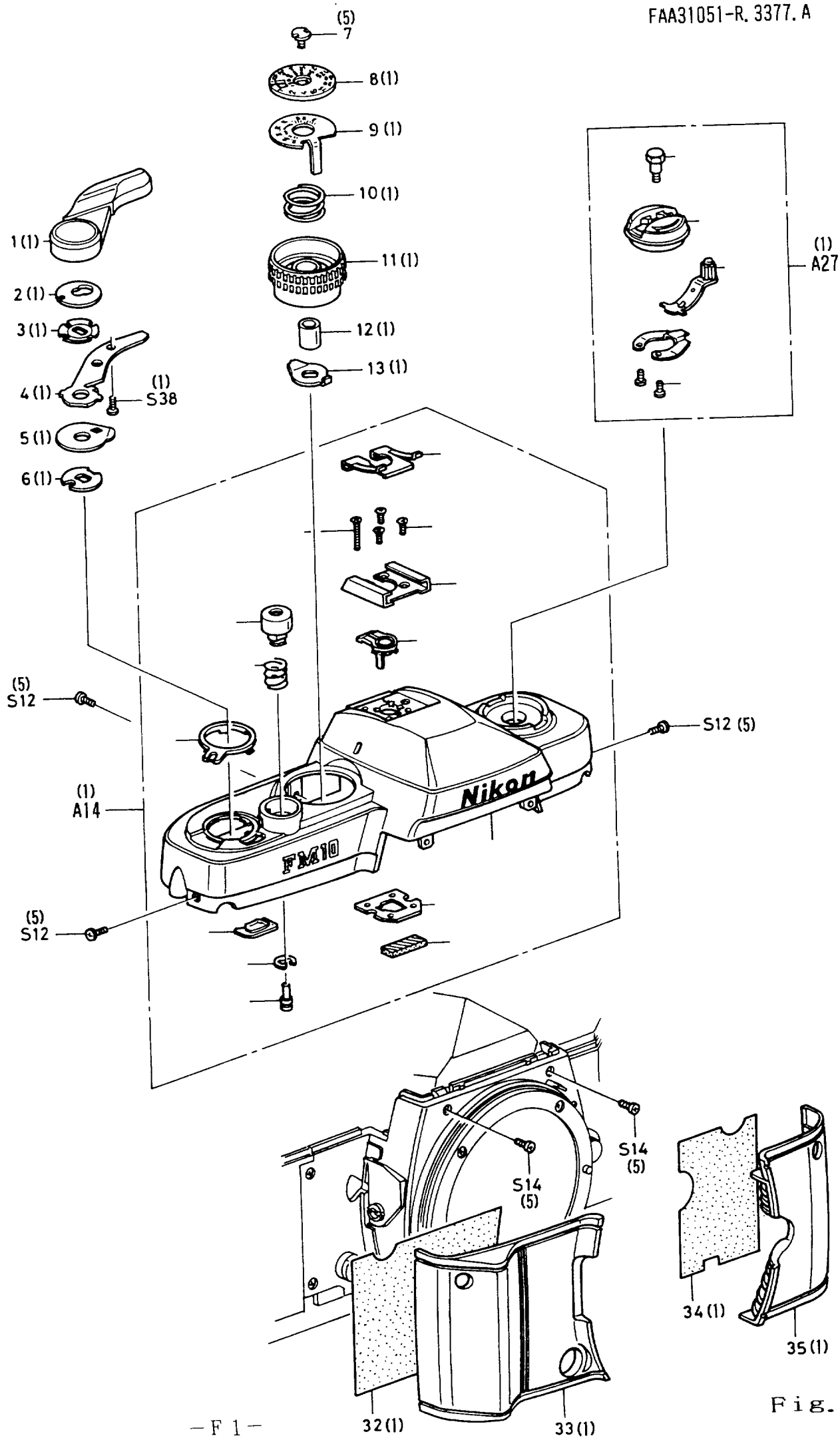
Printed in Japan January 1995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A27
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S12 (5)
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A14
(5)
S12
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FM10
S14
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S14
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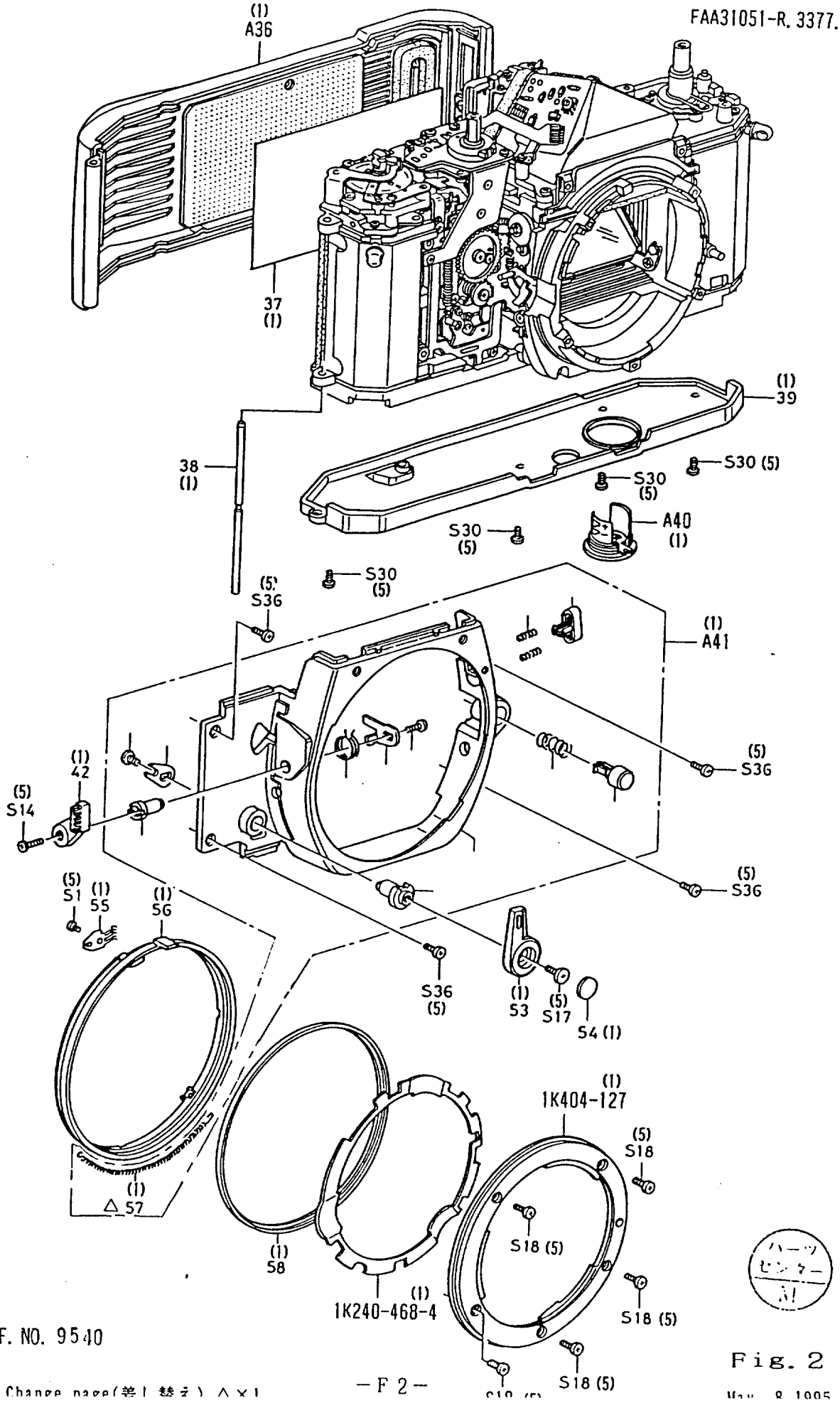
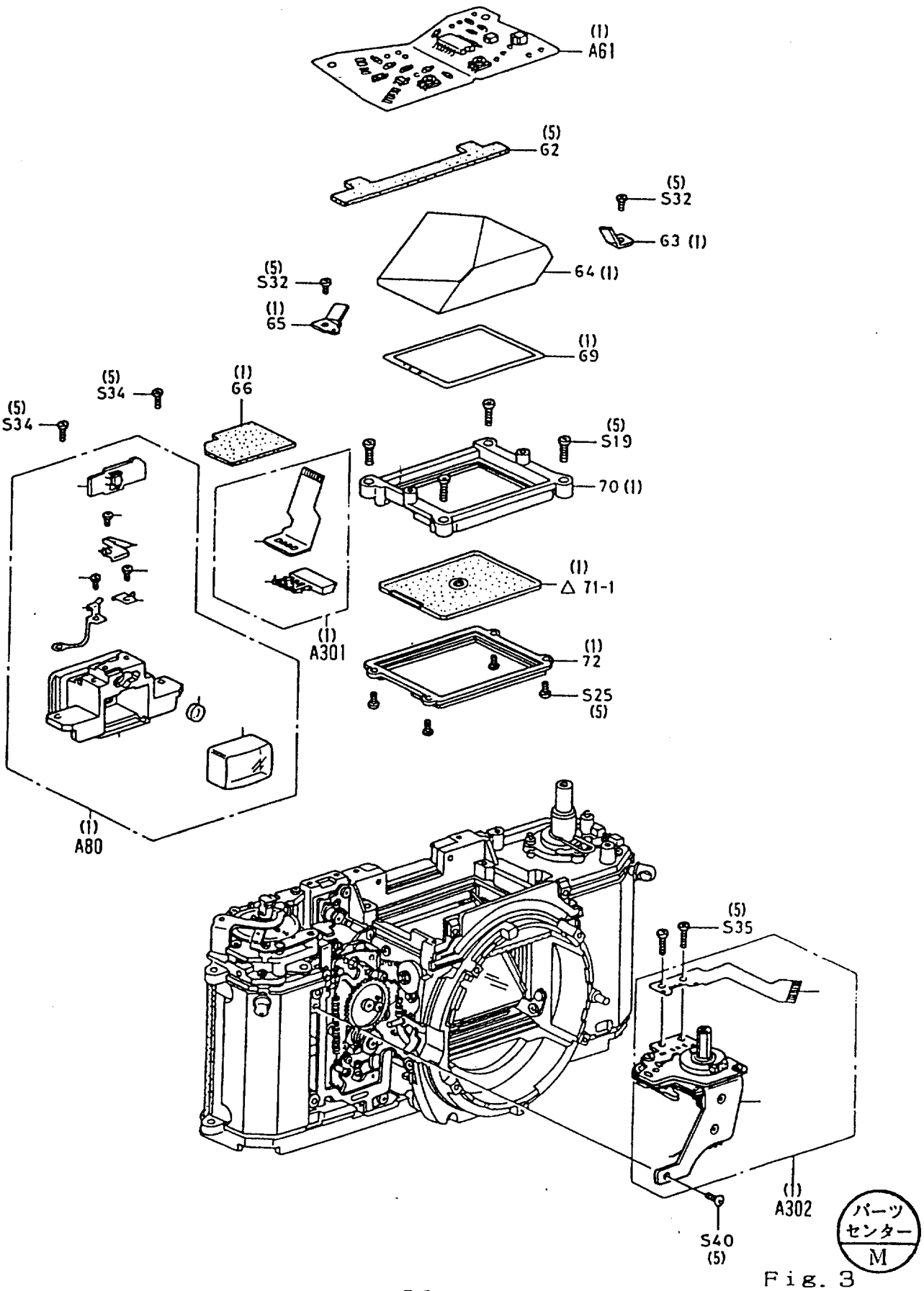
34(1)
35(1)
32(1)
33(1)

Fig. 1



RP-INF. NO. 9540

Fig. 2



パーツセンター M

Fig. 3

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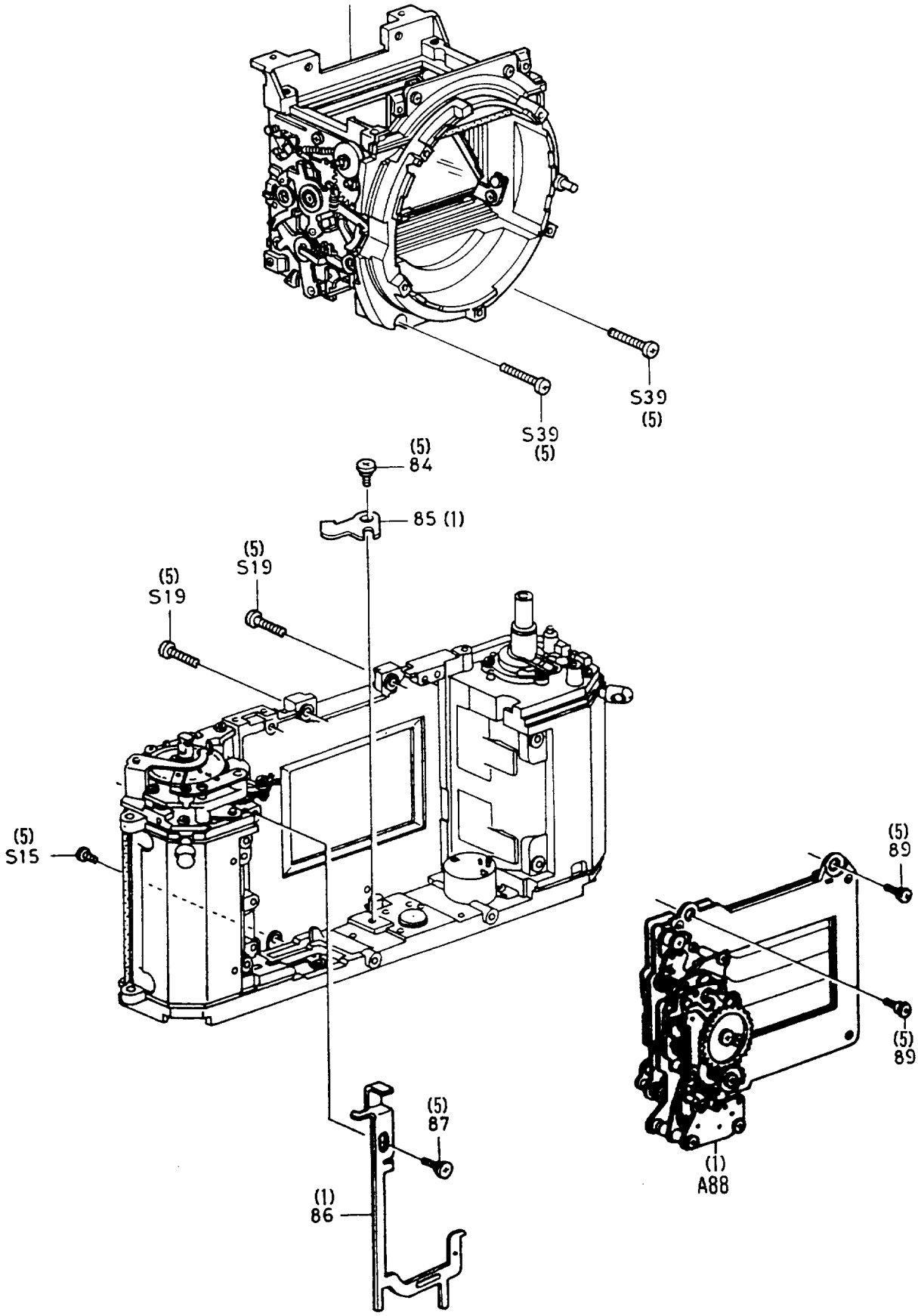

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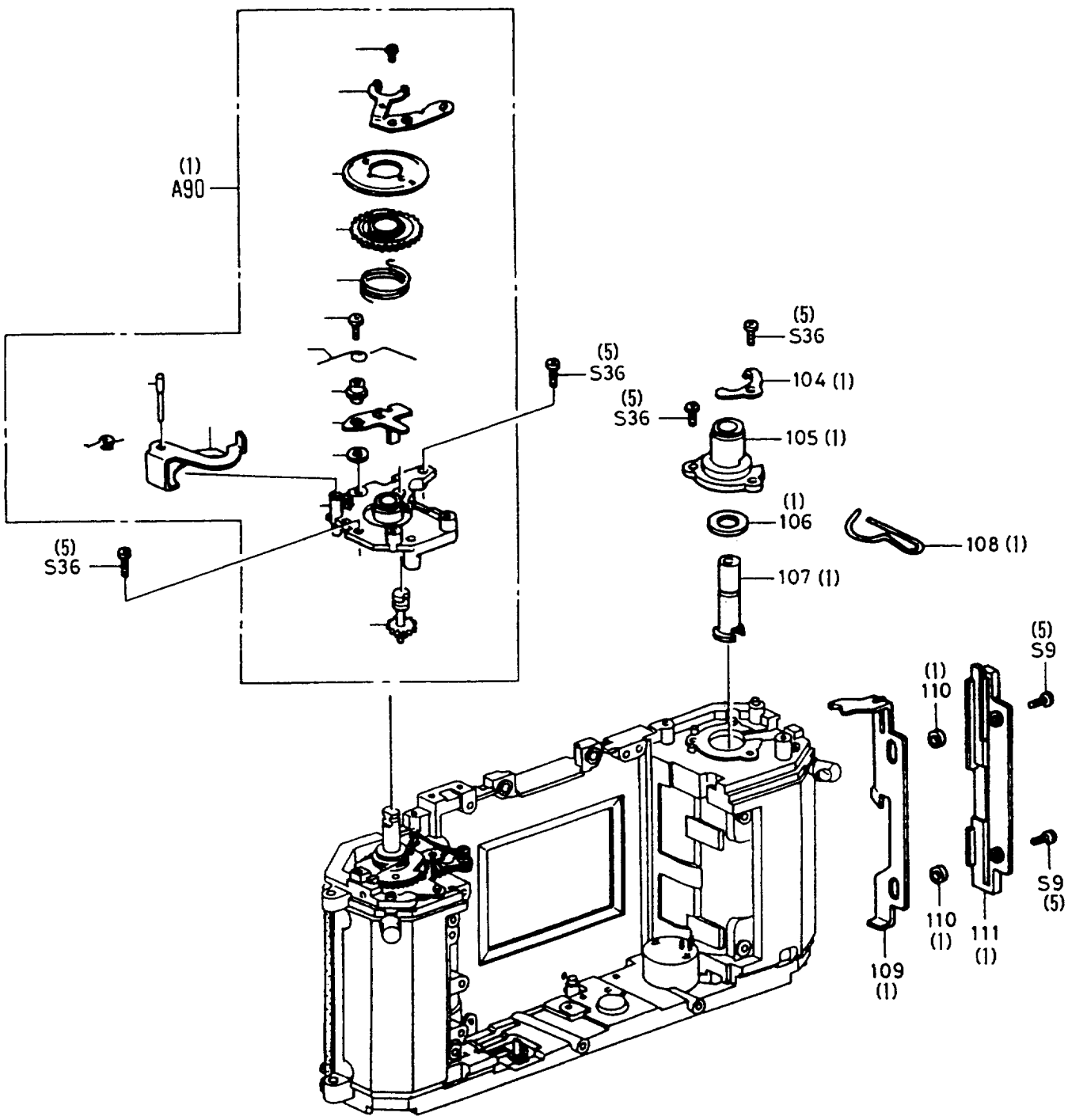
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109
(1)

Fig. 5

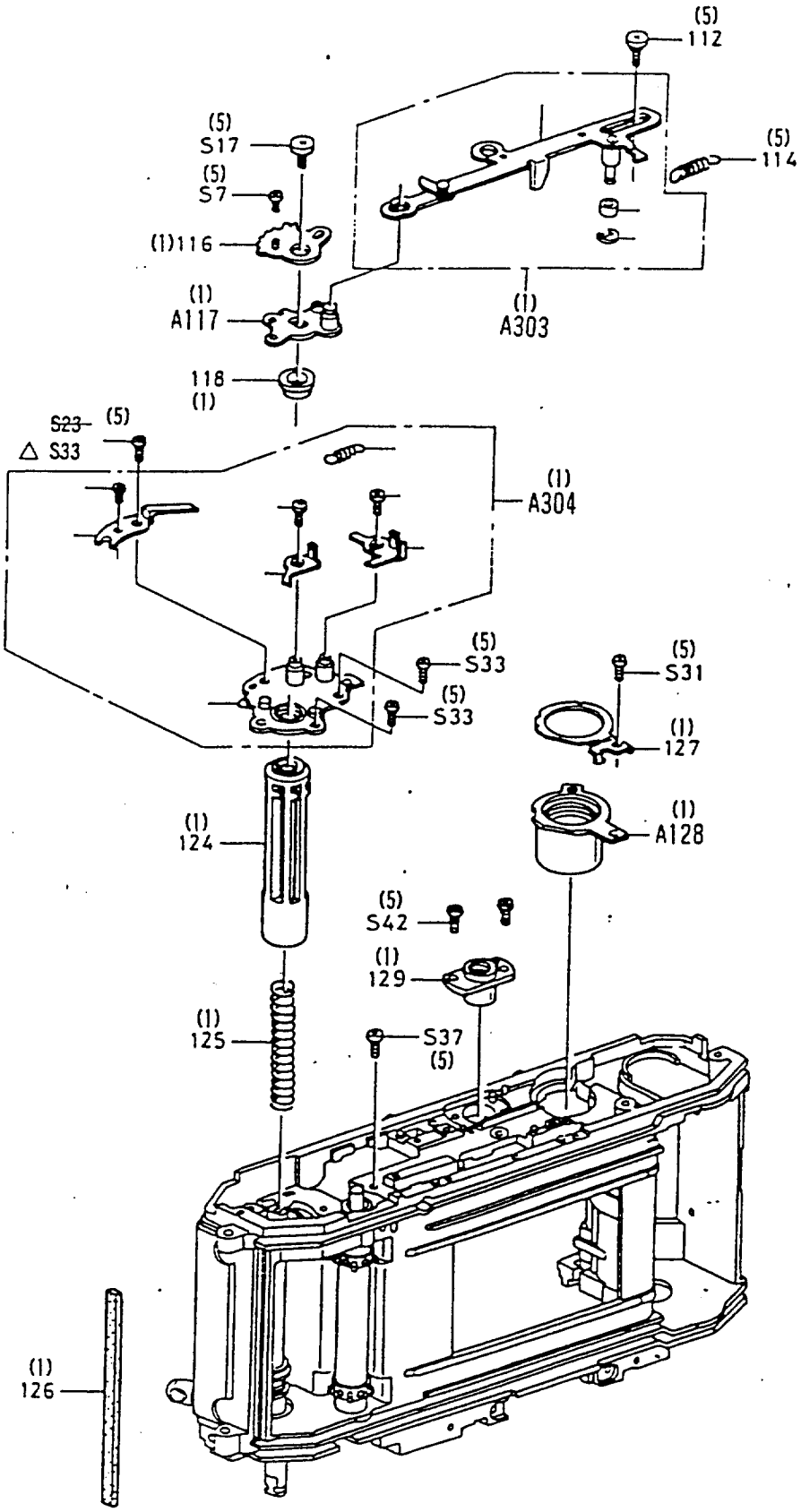

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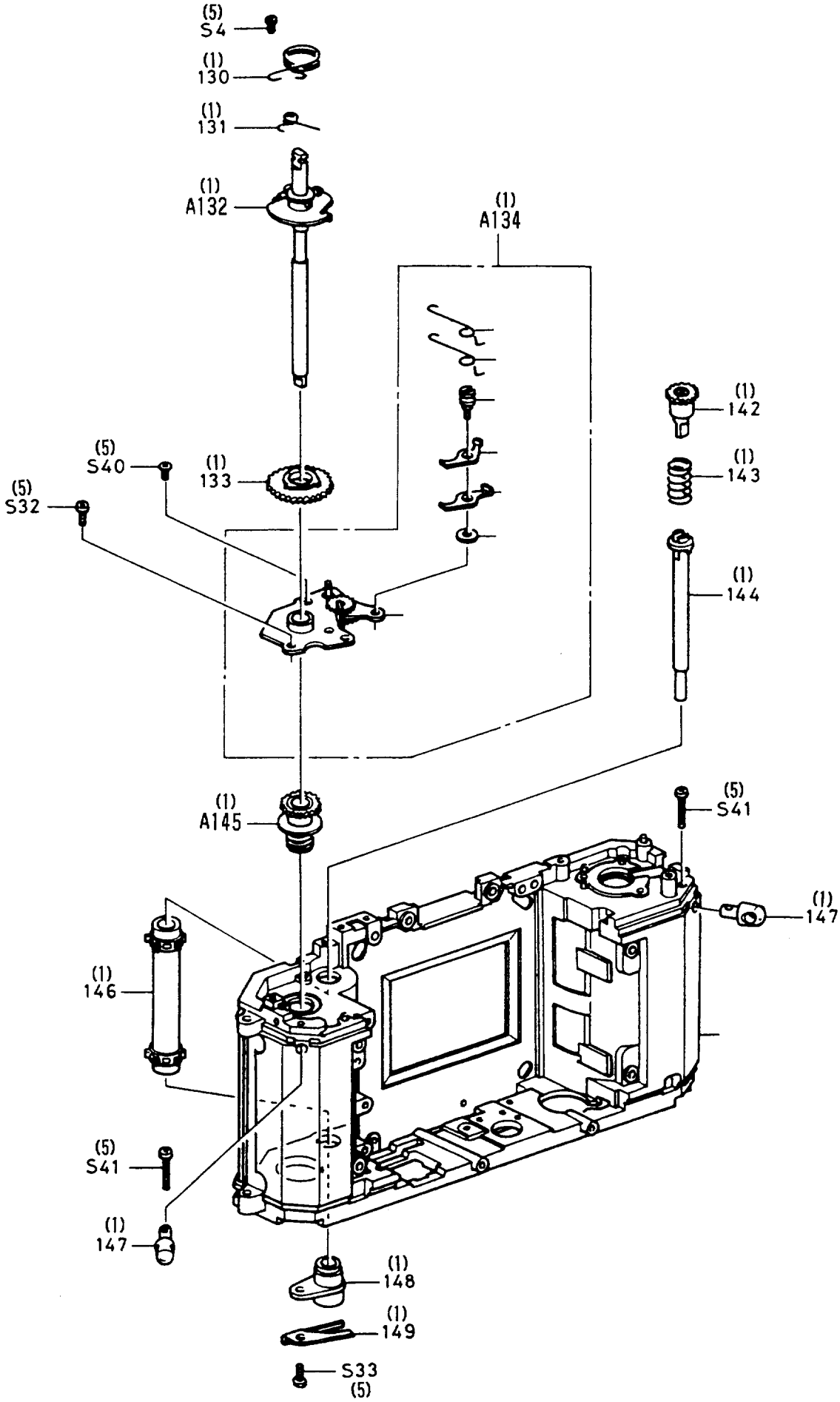
Fig. 6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133
(5)
S32
(1)
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(1)
A145
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S41
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148
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149
S33
(5)

Fig. 7

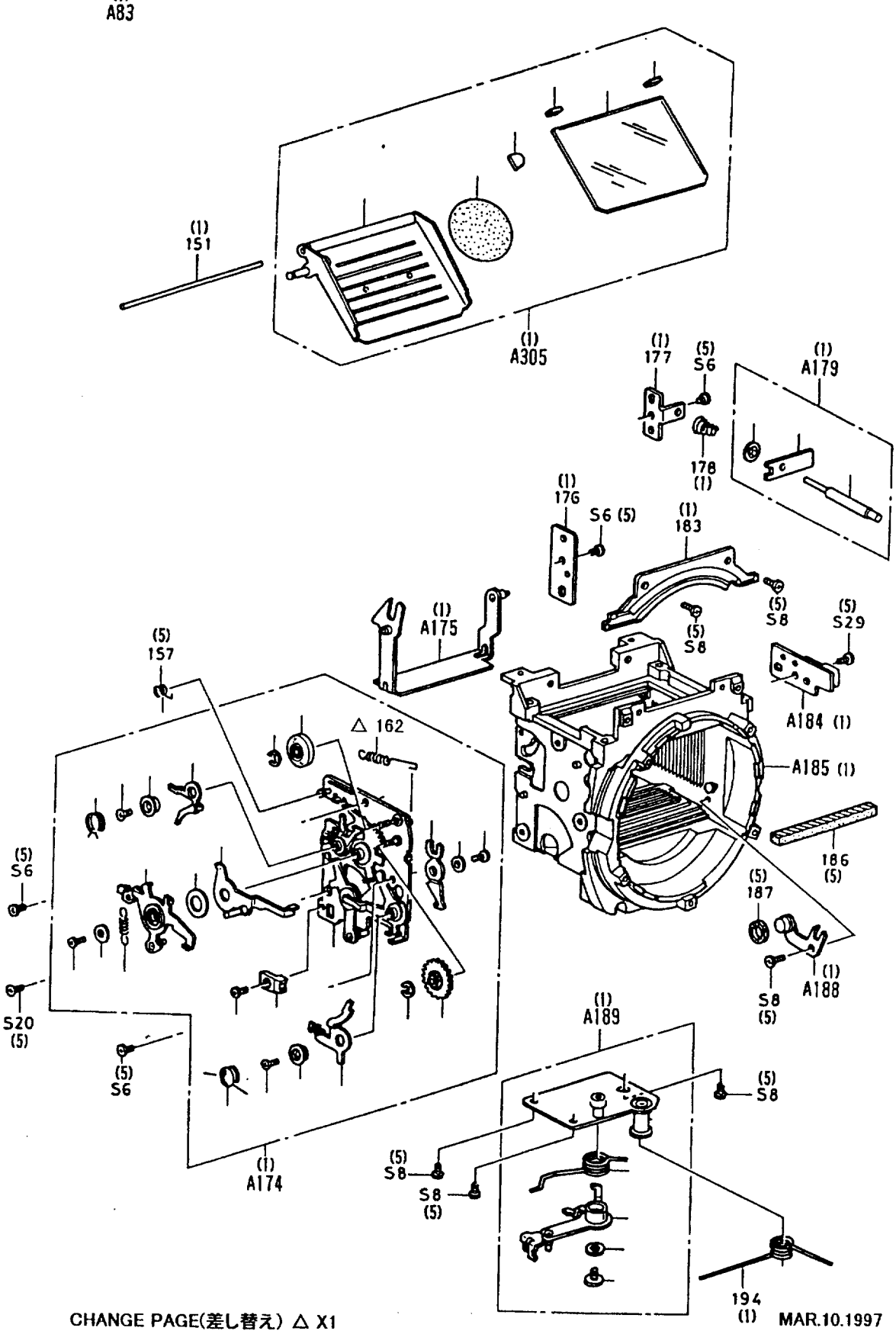

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Fig. 8

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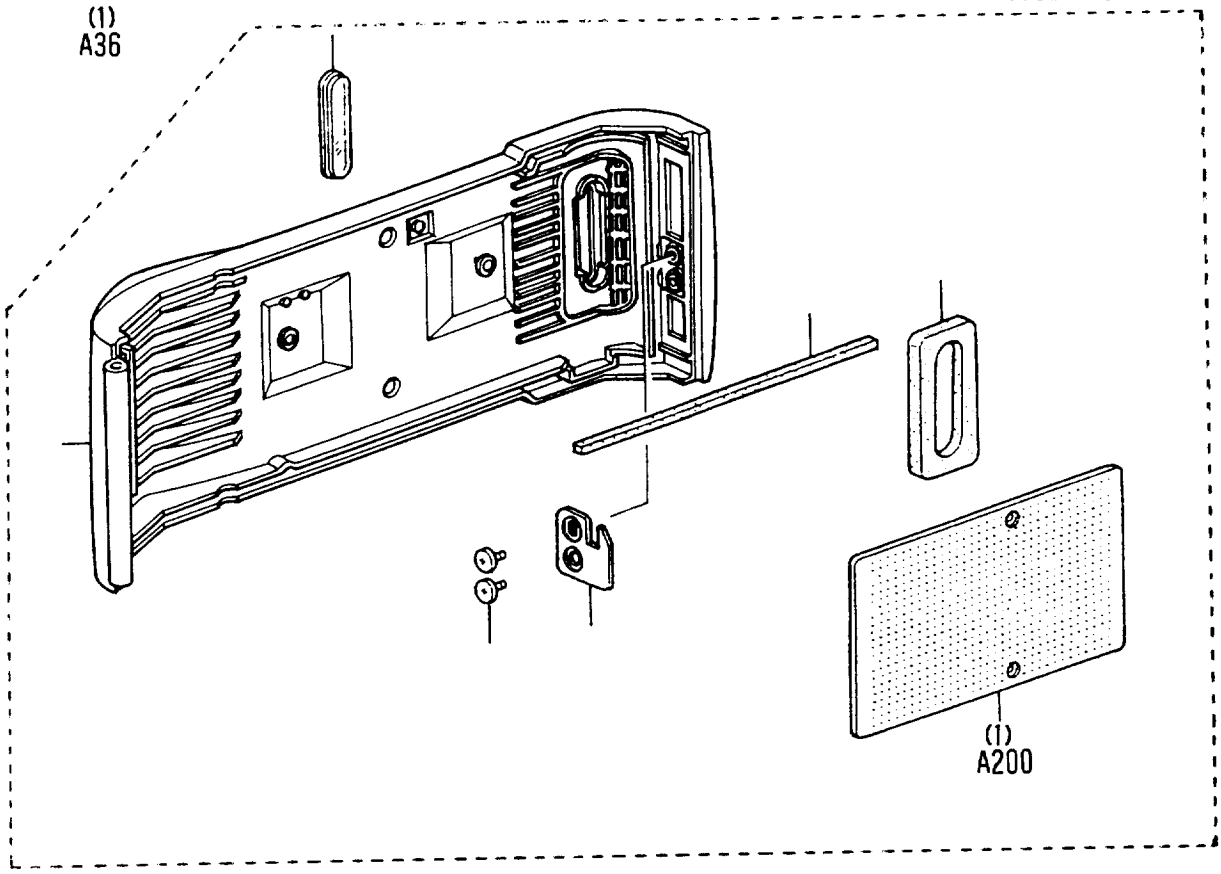

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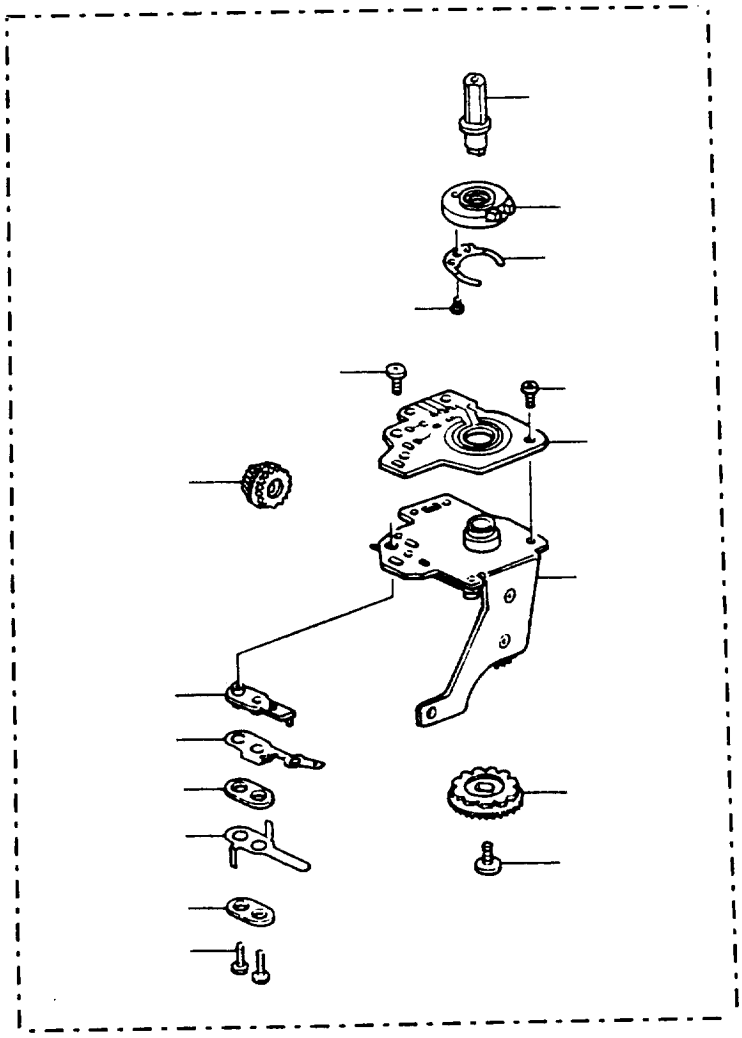

Fig. 9

部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
1 (FAA31051-1)		巻上レバー Advance lever cover	1		1	○		1
2 (FAA31051-2)		巻上レバーワッシャー Advance lever washer	1		1	○		1
3 (FAA31051-3)		巻上レバーバネ Advance lever spring	1		1	○		1
4 (FAA31051-4)		巻上レバー板 Advance lever	1		1	○		1
5 (FAA31051-5)		レリーズロック板 Release lock plate	1		1	○		1
6 (FAA31051-6)		巻上げレバーカム Advance lever cam	1		1	○		1
7 (FAA31051-7)		SDネジ Speed dial screw	1		1	○		5
8 (FAA31051-8)		SD銘板 Speed dial plate	1		1	○		1
9 (FAA31051-9)		ISO銘板 ISO plate	1		1	○		1
10 (FAA31051-10)		ISOバネ ISO spring	1		1	○		1
11 (FAA31051-11)		SDダイアル Speed dial knob	1		1	○		1
12 (FAA31051-12)		ISOカラー ISO collar	1		1	○		1
13 (FAA31051-13)		ISOストッパー ISO stopper	1		1	○		1
32 (FAA31051-32)		グリップ接着テープA Grip rubber tape	1		1	○		1
33 (FAA31051-33)		グリップゴム Grip rubber	1		1	○		1

部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
34 (FAA31051-34)		右ラバー接着テープA Grip rubber tape	1		1	○		1
35 (FAA31051-35)		右ラバー Grip rubber	1		1	○		1
37 (FAA31051-37)		圧板保護シート Protect sheet	1		2	○		1
38 (FAA31051-38)		蝶番軸 Back door shaft	1		2	○		1
39 (FAA31051-39)		下カバー Bottom cover	1		2	○		1
42 (FAA31051-42)		絞込みレバー Preview lever	1		2	○		1
53 (FAA31051-53)		セルフレバー Self timer lever	1		2	○		1
54 (FAA31051-54)		セルフレバープレート Self lever plate	1		2	○		1
55 (FAA31051-55)		絞りブラシ Brush	1		2	○		1
56 (FAA31051-56)		絞り環 Diaphragm ring	1		2	○		1
△ 57 (FAA31051-57)		絞りスプリング Spring	1	A-41	2	○△	RP-9540	1
58 (FAA31051-58)		絞り連動環 Diaphragm actuating ring	1		2	○		1
62 (FAA31051-62)		プリズムモルト Prism sponge	1		3	○		5
63 (FAA31051-63)		プリズム押えバネ (A) Prism holder (A)	1		3	○		1
64 (FAA31051-64)		ペンタプリズム Penta prism	1		3	○		1

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May. 8. 1995

パーツセンター

	部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
	65 (FAA31051-65)		プリズム押えバネ（B） Prism holder (B)	1		3	○		1
	66 (FAA31051-66)		シャッター遮光モルト Shutter light baffle sponge	1		3	○		1
	69 (FAA31051-69)		ファインダーマスク Finder masc	1		3	○		1
	70 (FAA31051-70)		プリズム台 Prism base	1		3	○		1
△	71 (FAA31051-71)		フレネル Fresnel lens	1		3	○	RP-9607	1
△	71-1 (FAA31051-71-1)		フレネル Fresnel lens	1		3	○	RP-9607	1
	72 (FAA31051-72)		フレネル押え Fresnel lens holder	1		3	○		1
	84 (FAA31051-84)		セットレバーAネジ Screw	1		4	○		5
	85 (FAA31051-85)		セットレバーA Set lever A	1		4	○		1
	86 (FAA31051-66)		レリーズ板 Release plate	1		4	○		1
	87 (FAA31051-87)		レリーズ板ネジ Screw	1		4	○		5
	89 (FAA31051-89)		シャッター止めネジ Screw	2		4	○		5
	104 (FAA31051-104)		裏蓋開閉バネ Back door locking spring	1		5	○		1
	105 (FAA31051-105)		巻戻し軸受 Rewind shaft base	1		5	○		1
	106 (FAA31051-106)		巻戻し軸カラー Rewind shaft collar	1		5	○		1
	107 (FAA31051-107)		巻戻し軸 Rewind shaft	1		5	○		1

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FEB. 26. 1996

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部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
108 (FAA31051-108)		巻戻し軸バネ Rewind shaft spring	1		5	○		1
109 (FAA31051-109)		開閉鍵板 Back door locking plate	1		5	○		1
110 (FAA31051-110)		開閉鍵板カラー Locking plate coller	2		5	○		1
111 (FAA31051-111)		蓋止めカバー Locking plate cover	1		5	○		1
112 (FAA31051-112)		チャージレバーネジ Screw	1		6	○		5
114 (FAA31051-114)		チャージレバースプリング Spring	1		6	○		5
116 (FAA31051-116)		チャージ板 Charge plate	1		6	○		1
118 (FAA31051-118)		チャージ板カラー Charge plate coller	1		6	○		1
124 (FAA31051-124)		スプール Spool	1		6	○		1
125 (FAA31051-125)		スプール内バネ Spool inner spring	1		6	○		1
126 (FAA31051-126)		遮光モルト Light baffle sponge	1		6	○		1
127 (FAA31051-127)		電池アース接片 Battery cap contact plate	1		6	○		1
129 (FAA31051-129)		三脚座 Tripod socket	1		6	○		1
130 (FAA31051-130)		巻上レバー戻しバネ Advance spring	1		7	○		1
131 (FAA31051-131)		巻上爪バネ Advance claw spring	1		7	○		1

部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
133 (FAA31051-133)		巻上歯車 Advance gear	1		7	○		1
142 (FAA31051-142)		スプロケットギア Sprocket gear	1		7	○		1
143 (FAA31051-143)		スプロケットバネ Sprocket spring	1		7	○		1
144 (FAA31051-144)		スプロケット軸 Sprocket shaft	1		7	○		1
146 (FAA31051-146)		スプロケット Sprocket	1		7	○		1
147 (FAA31051-147)		吊環 Neck strap tug	2		7	○		1
148 (FAA31051-148)		スプロケット軸受 Sprocket shaft bearing	1		7	○		1
149 (FAA31051-149)		スプロケット解除バネ Sprocket release spring	1		7	○		1
151 (FAA31051-151)		ミラー軸 Mirror holder shaft	1		8	○		1
157 (FAA31051-157)		ミラーバネ Mirror spring	1		8	○		5
△ 162 (FAA31051-162)		ガバナバネ GOVERNOR SPRING	1		8	○	RP-9707	5
176 (FAA31051-176)		遮光板受 Light baffle plate base	1		8	○		1
177 (FAA31051-177)		Lピン受 L pin base	1		8	○		1
178 (FAA31051-178)		レンズロックバネ Spring	1		8	○		1
183 (FAA31051-183)		F-F0 PCB F-F0 PCB	1		8	○		1
186 (FAA31051-186)		ミラー受モルト Mirror shock absorber	1		8	○		5

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MAR. 10. 1997

部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
187 (FAA31051-187)		ミラー受ゴム Mirror cushion rubber	1		8	○		5
194 (FAA31051-194)		ミラー駆動チャージバネ Spring	1		8	○		1
* 1K240-468-4 (1K240-468-2)		バヨネットマウントバネ Bayonet mount spring	1		2	○		1
1K404-127 (1K404-127)		バヨネットマウント Bayonet mount	1		2	○		1

部品表 Parts List

FAA31051-R. 3377. B

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
S1 (FAA31051-S1)		Screw	1		2	○		5
S4 (FAA31051-S4)		Screw	1		7	○		5
S6 (FAA31051-S6)		Screw	4		8	○		5
S7 (FAA31051-S7)		Screw	1		6	○		5
S8 (FAA31051-S8)		Screw	6		8	○		5
S9 (FAA31051-S9)		Screw	1		5	○		5
S12 (FAA31051-S12)		Screw	4		1	○		5
S14 (FAA31051-S14)		Screw	3		1 2	○		5
S15 (FAA31051-S15)		Screw	1		4	○		5
S17 (FAA31051-S17)		Screw	2		2 6	○		5
S18 (FAA31051-S18)		Screw	5		2	○		5
S19 (FAA31051-S19)		Screw	6		3 4	○		5
S20 (FAA31051-S20)		Screw	1		8	○		5
△ ~~S23 (FAA31051-S23)~~		Screw	1		6	○	RP-9616	5
S25 (FAA31051-S25)		Screw	4		3	○		5

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JULY. 03. 1996

部品表 Parts List

FAA31051-R. 3377. A

部品番号 Part No.	補助番号 Ckt No	名称 Name	1台分個数 Q'ty Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Class. of Salability	備考 Remarks	要求単位 Order Unit Q'ty
S29 (FAA31051-S29)		Screw	1		8	○		5
S30 (FAA31051-S30)		Screw	4		2	○		5
S31 (FAA31051-S31)		Screw	1		6	○		5
S32 (FAA31051-S32)		Screw	3		3 7	○		5
S33 (FAA31051-S33)		Screw	5		6 7	○		5
S34 (FAA31051-S34)		Screw	2		3	○		5
S35 (FAA31051-S35)		Screw	3		3	○		5
S36 (FAA31051-S36)		Screw	6		2 5	○		5
S37 (FAA31051-S37)		Screw	1		6	○		5
S38 (FAA31051-S38)		Screw	1		1	○		5
S39 (FAA31051-S39)		Screw	2		4	○		5
S40 (FAA31051-S40)		Screw	2		3 7	○		5
S41 (FAA31051-S41)		Screw	2		7	○		5
S42 (FAA31051-S42)		Screw	2		6	○		5

部組品表 Assembly List

FAA31051-R. 3377. A

部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly NO.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
A14 (FAA31051-A14)		上カバー組 Top cover unit	1		1		1
A27 (FAA31051-A27)		巻戻しノブ組 Rewind knob unit	1		1		1
A36 (FAA31051-A36)		裏蓋組 Back door unit	1		2		1
A40 (FAA31051-A40)		電池キャップ組 Battery cap unit	1		2		1
A41 (FAA31051-A41)		前カバー組 Front cover unit	1		2		1
A61 (FAA31051-A61)		メインFPC Main FPC unit	1		3		1
A80 (FAA31051-A80)		接眼枠組 Eye piece frame unit	1		3		1
A88 (FAA31051-A88)		シャッター組 Sutter unit	1		4		1
A90 (FAA31051-A90)		枚数計組 Film counter unit	1		5		1
A117 (FAA31051-A117)		チャージ補助板組 Charge plate base unit	1		6		1
A128 (FAA31051-A128)		電池ケース組 Battery case unit	1		6		1
A132 (FAA31051-A132)		巻上軸 Advance shaft unit	1		7		1
A134 (FAA31051-A134)		巻上地板 Winding gear base unit	1		7		1
A145 (FAA31051-A145)		スプールギア組 Spool gear unit	1		7		1
A174 (FAA31051-A174)		作動基板組 Mirror operating base unit	1		8		1

部組品表 Assembly List

FAA31051-R. 3377. A

部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly NO.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
A175 (FAA31051-A175)		遮光板組 Light baffle plate unit	1		8		1
A179 (FAA31051-A179)		ロックピン組 Lock pin unit	1		8		1
A184 (FAA31051-A184)		測光スイッチ Metering sw unit	1		8		1
A185 (FAA31051-A185)		ミラーボックス組 Mirror box unit	1		8		1
A188 (FAA31051-A188)		ミラー調整板 Mirror angle adjust unit	1		8		1
A189 (FAA31051-A189)		SL地板組 SL base unit	1		8		1
A200 (FAA31051-A200)		圧板組 Pressure plate unit	1	A36	9		1
A301 (FAA31051-A301)		表示LED組 LED unit	1		3		1
A302 (FAA31051-A302)		管制部組 Shutter speed base unit	1		3		1
A303 (FAA31051-A303)		チャージレバー組 Charge lever unit	1		6		1
A304 (FAA31051-A304)		巻上軸受下組 Advance shaft base unit	1		6		1
A305 (FAA31051-A305)		ミラーホルダー組 Mirror holder unit	1		8		1
△ P-1 (FAA31051-P-1)		ストラップ Strap	1			RP-9624	1

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作成承認印	配布許可印
ニコン カメラ サービス部 GM	

FM10 FAA 31051

REPAIR MANUAL

Nikon | NIKON CORPORATION
Tokyo, Japan

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Printed in Japan January 1995

SPECIFICATIONS

Type of camera	35mm single-lens reflex(SLR) focal plane shutter
Picture format	24mm × 36mm
Usable film	Any cartridge-type 35mm film
Standard lens	35-70/ F3.5～4.8 as standard
Lens mount	Nikon F mount
Shutter	Vertically traveling metal M 1/2000～1S 、B
Viewfinder	Eyelevel pentaprism type ; 92% ±2% frame coverage
Diopte	−1 ±0.4 dtp
Magnification	0.84 ×(50mm.∞)
Viewfinder display	Three LEDs lights up for exposur metering.
Reflex mirror	Automatic instant-return type
Exposure metering	TTL Center-weighted full aperture Exposure metering
Metering range	EV2 ～ 19 (ISO 100.F2 、1S ～ F/16 、1/2000)
Film speed setting	ISO 25 ～3200
Exposure meter switch	Pr-release turns on or Exposure meter switch on
Flash sync	1/125 or lower
Multiple exposur	Via lever
Tripod	UNC 1/4
Power source	Silver-oxide battery (SR-44 ×2) Alkaline-manganese battery (LR-44 ×2)
Dimensions	Approx 13.9mm(W) × 86mm(H)×53.0mm(D)
Weight	Approx 420g (body only)

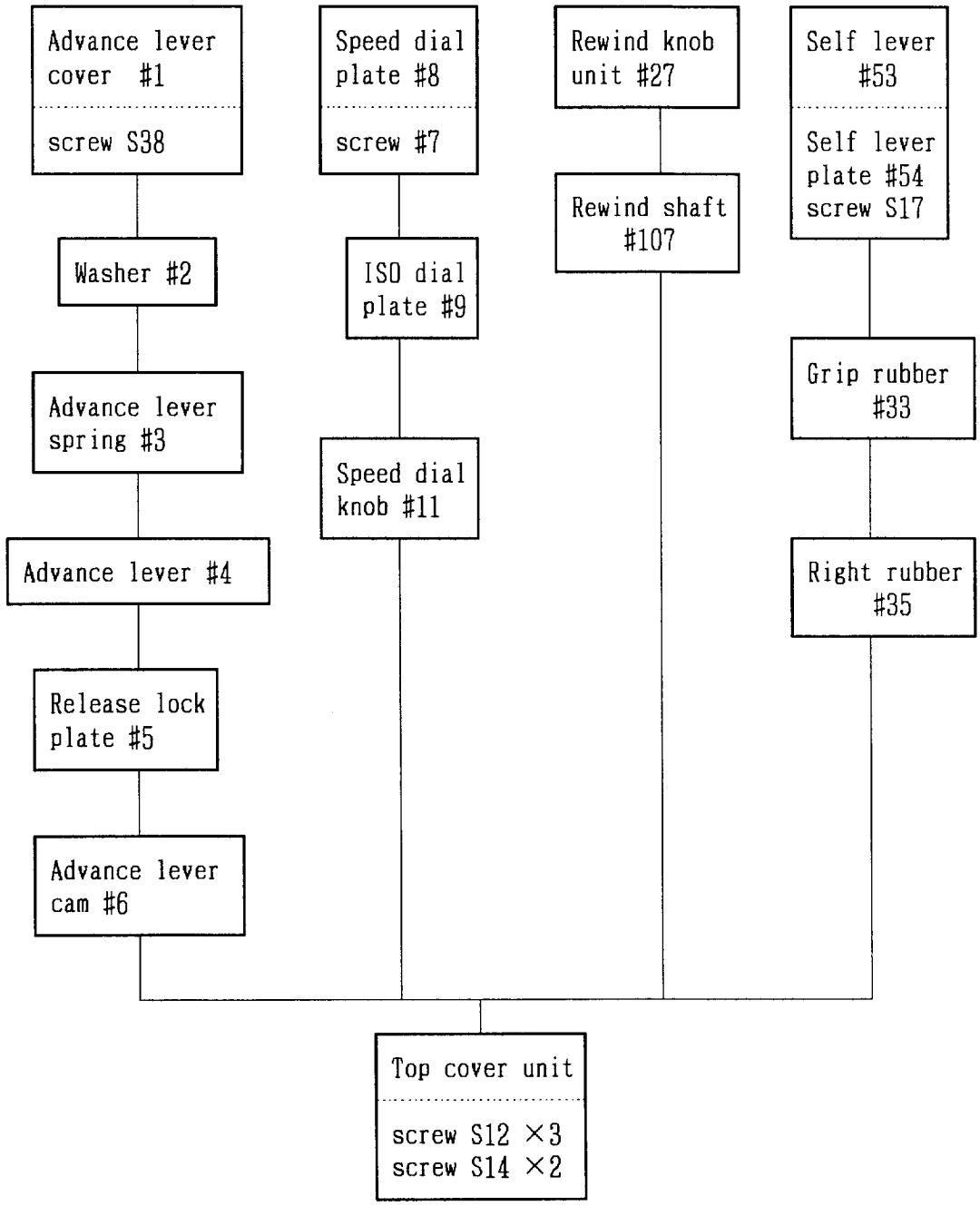
DISASSEMBLING PROCEDURE CHART

Note ①. Disassembling should be started after batteries are removed.

②. Refer to" Exploded drawing " details on disassembling.

③. Be sure to learn how the lead wires are arranged.

(1) TOP COVER...Fig.1.2



(2) BOTTOM COVER...Fig.2

- Battery chamber #40
- Bottom cover #36
  - Screw #32 ×4
- Back door #36
  - Back door shft #38

(3) BAYONET...Fig.2

- Bayonet mount #60
  - Screw S18 ×5
- Mount spring #59
- Mount ring #58
- Aperture cupling ring #56
  - Spring #57
- Mount cover unit #41
  - Scerw S36 ×4

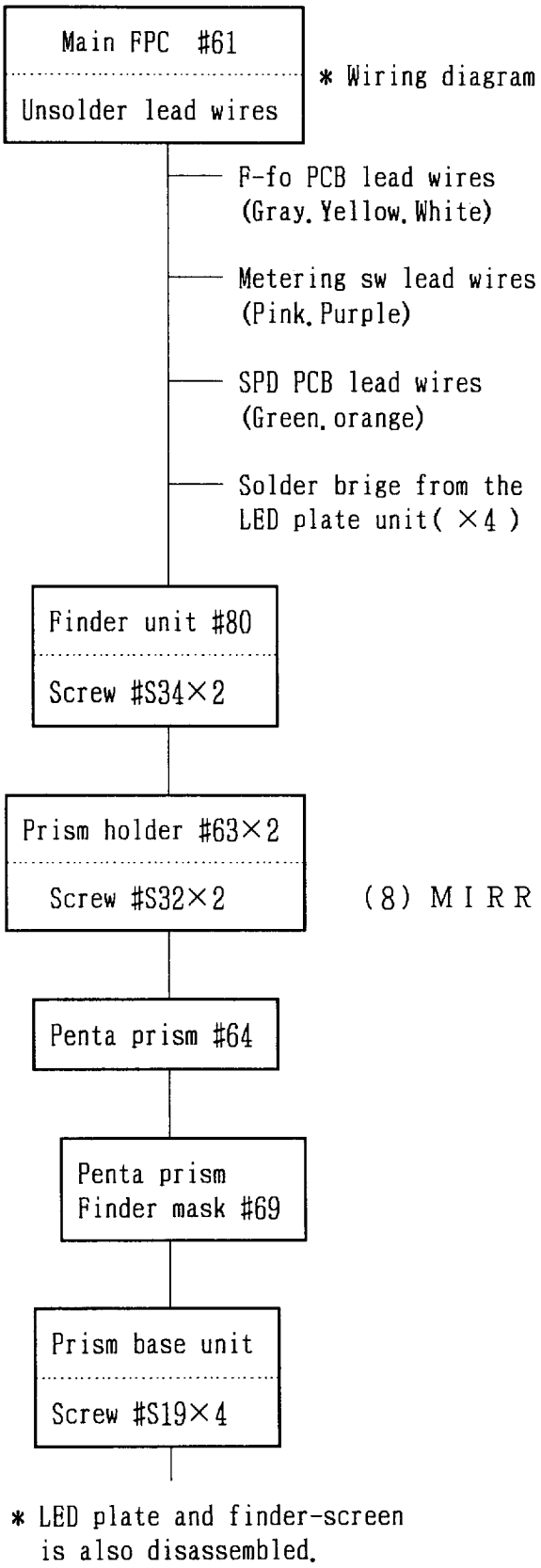
(4) FRONT PLATE...Fig.3.4

- Unsolder lead wires * Wiring diagram
  - Battery contact lead wire. (Red)
  - Sync lead wire. (Blue)
  - Solder brige from the SDB flexible circuit. (×5)
- Shutter speed base unit
  - Screw S40 .S35×2
- Front plate assembly
  - Screw S39 ×2. S19×2

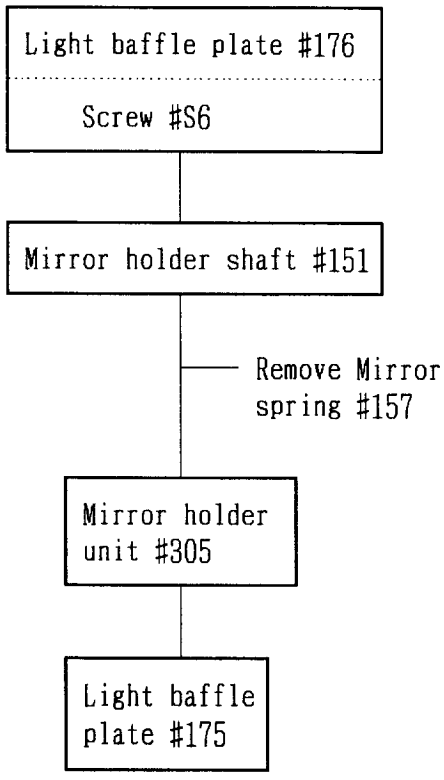
(5) SHUTTER...Fig.4

- Shutter unit #88
  - Screw 89×2.S15

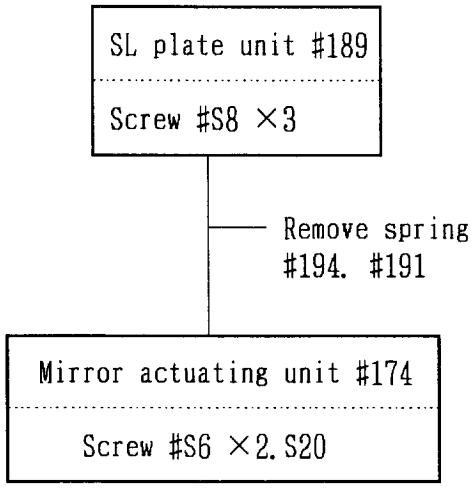
(6) PRISM BOX...Fig.3


Main FPC #61
Unsolder lead wires
* Wiring diagram
F-fo PCB lead wires (Gray. Yellow. White)
Metering sw lead wires (Pink. Purple)
SPD PCB lead wires (Green. orange)
Solder brige from the LED plate unit(×4)
Finder unit #80
Screw #S34×2
Prism holder #63×2
Screw #S32×2
Penta prism #64
Penta prism Finder mask #69
Prism base unit
Screw #S19×4
* LED plate and finder-screen is also disassembled.

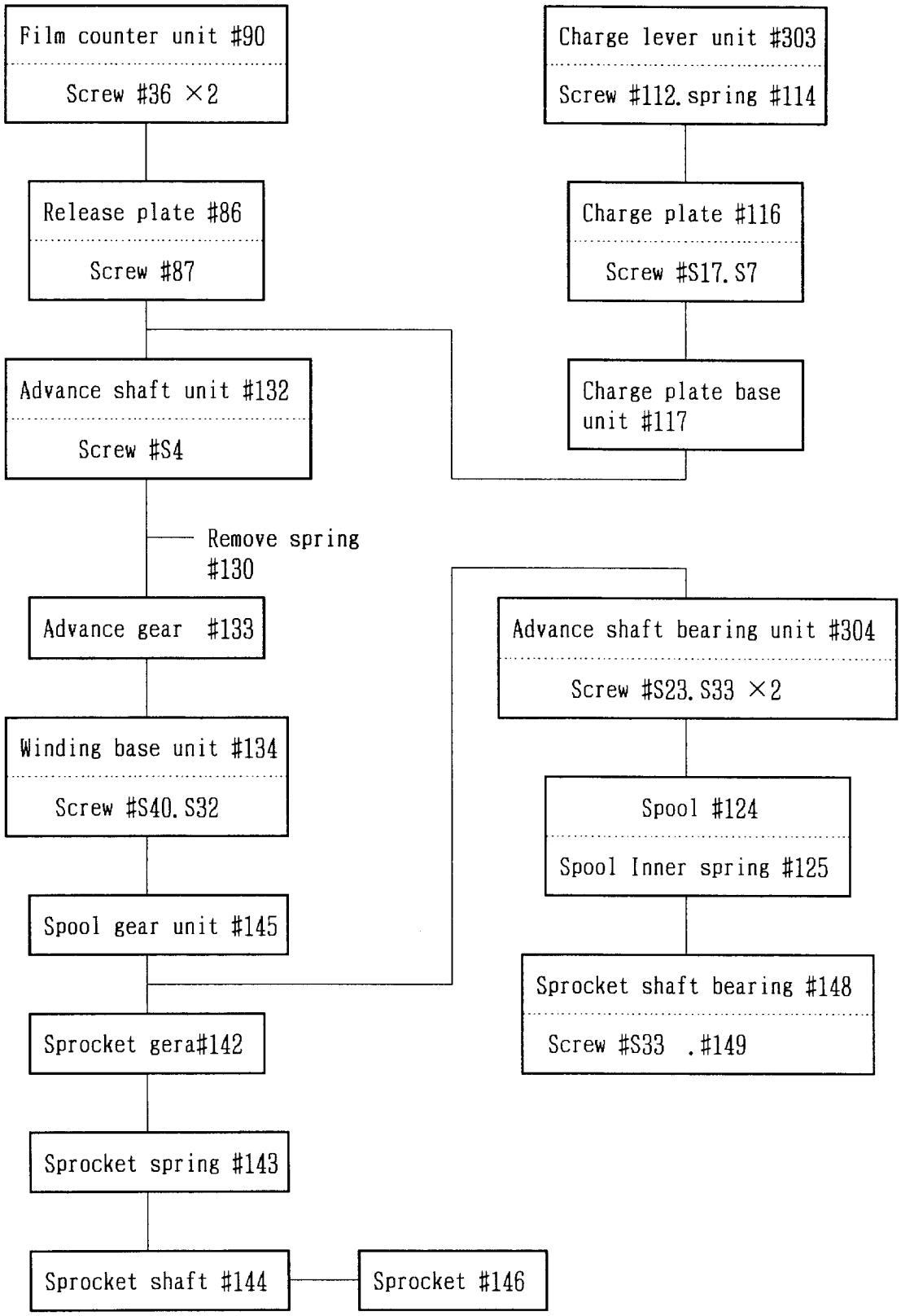
(7) MIRROR HOLDER...Fig.8



(8) MIRROR ACTUATING UNIT...Fig.8



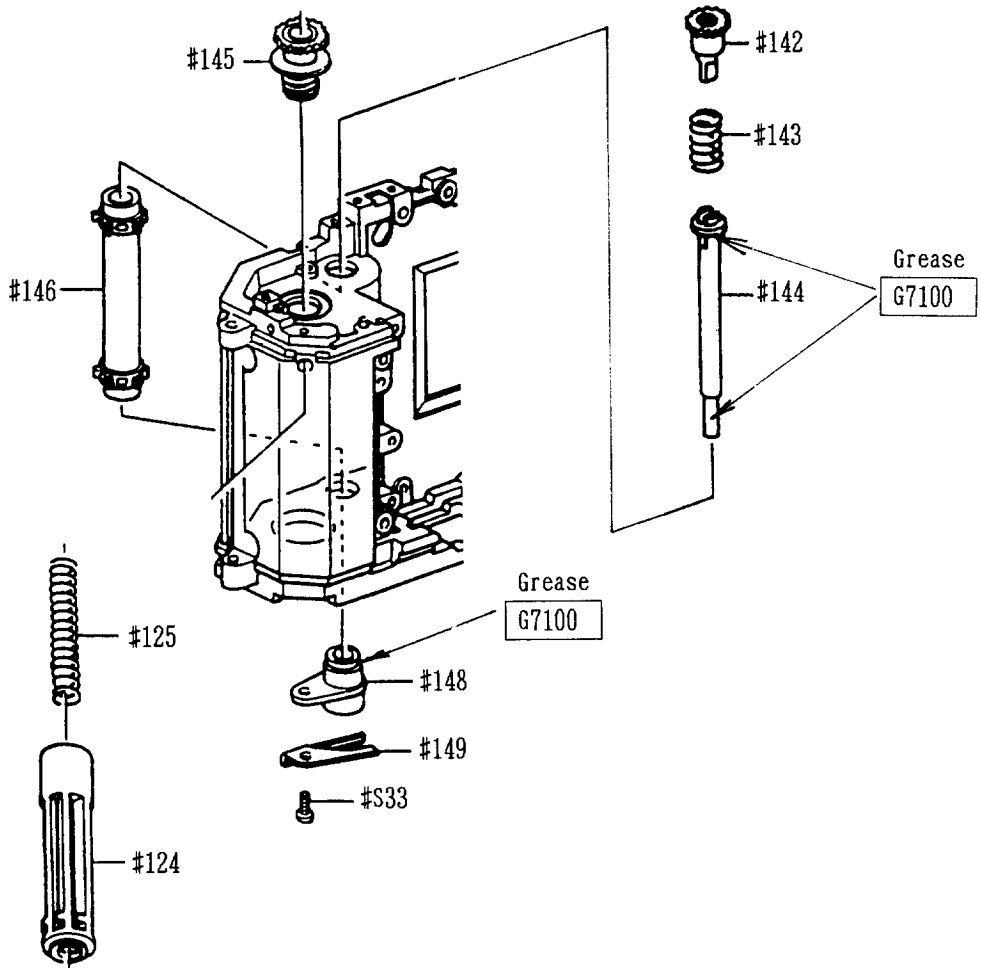
(9) SPOOL. SPROKET...Fig.5.6.7



ASSEMBLING

Note; Refer to "Exploded drawing" details on assembling.

Main body



1. Film take-up spool and sprocket

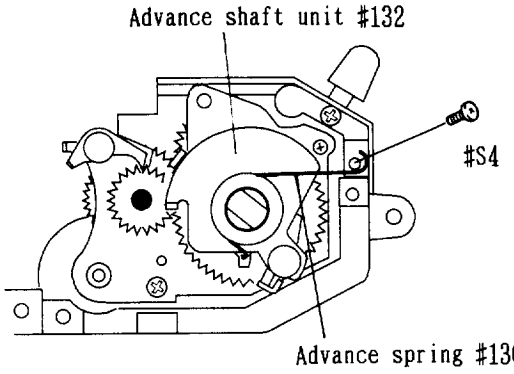
(1) Attach sprocket #146 on the body and secure it with sprocket shaft bearing #148, spring #149 and screw #S33.

(2) Attach film take-up spool #124 and spool internal spring #125 to the body. While securing them with film advance shaft bearing #304. (Screw #33x2 and #S23).

(3) Attach film take-up spool gear #145 into the spool hole together.

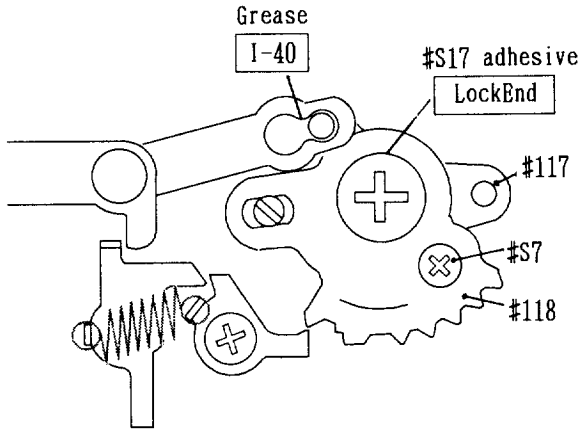
(4) After attaching film take-up spool shaft #144, sprocket spring #143 and sprocket gear #142, mount film advance upper base plate #134 and secure it. (Screw #S40) and #S32).

(5) Apply oil I-40 on both sides of film advance gear #133.



(6) Apply oil G7100 to film advance shaft unit #132.

(7) Attach film advance lever returning spring #130 as shown in the figure. (Screw S4)

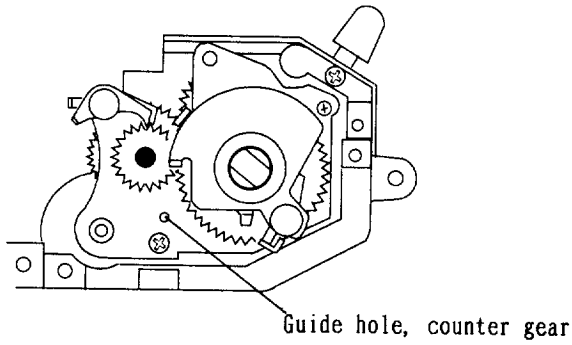


(8) Attach charging collar #118, charging auxiliary plate #117 and charging plate #116. (Screws S17, S7)

(9) Apply oil I-40 to charging lever #307 and the sliding surface. (Screw #112, spring #114)

2. Frame counter

Mounting procedures

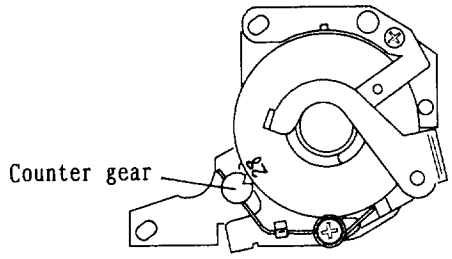


(1) Set the film advance lever tentatively.

(2) Wind the film advance lever fully.

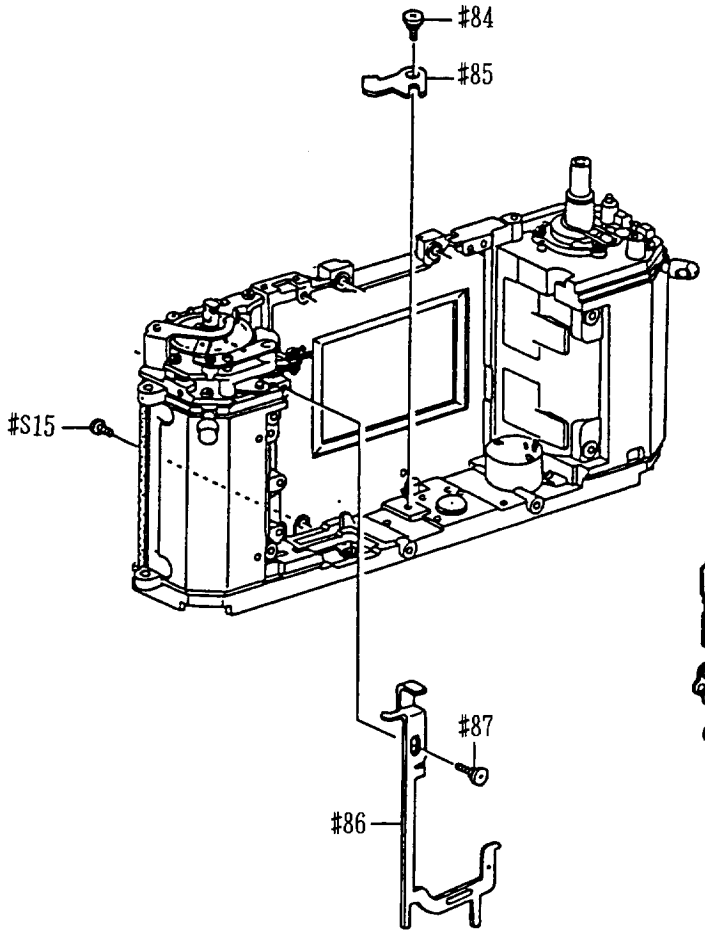
(3) Set film advance shaft unit #132 to the position shown in the figure.

(4) Align frame counter unit #90 and frame counter scale "28" with the notch of the gear.



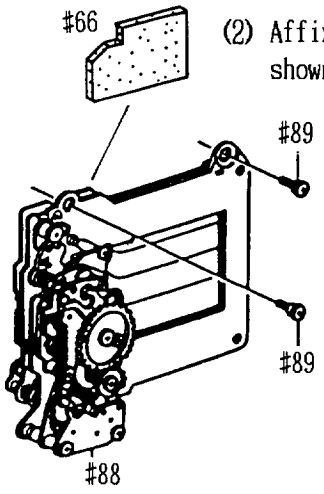
(5) At this stage, attach the frame counter while aligning it with the hole of the film advance gear guide. (Screws S36x2)

(6) Check to confirm if the frame counter works properly by winding the film advance lever several times.



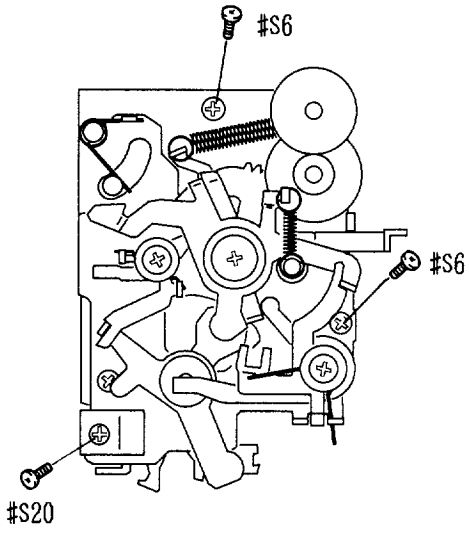
3. Shutter

(1) Attach SL plate #85. (Screws #89x2, #S15)



(2) Affix sponge #66 at the location as shown in the figure.

Front plate



4. Mirror unit

(1) Mount mirror holder #305 and light buffle plate, and secure them with mirror fixing shaft #151.

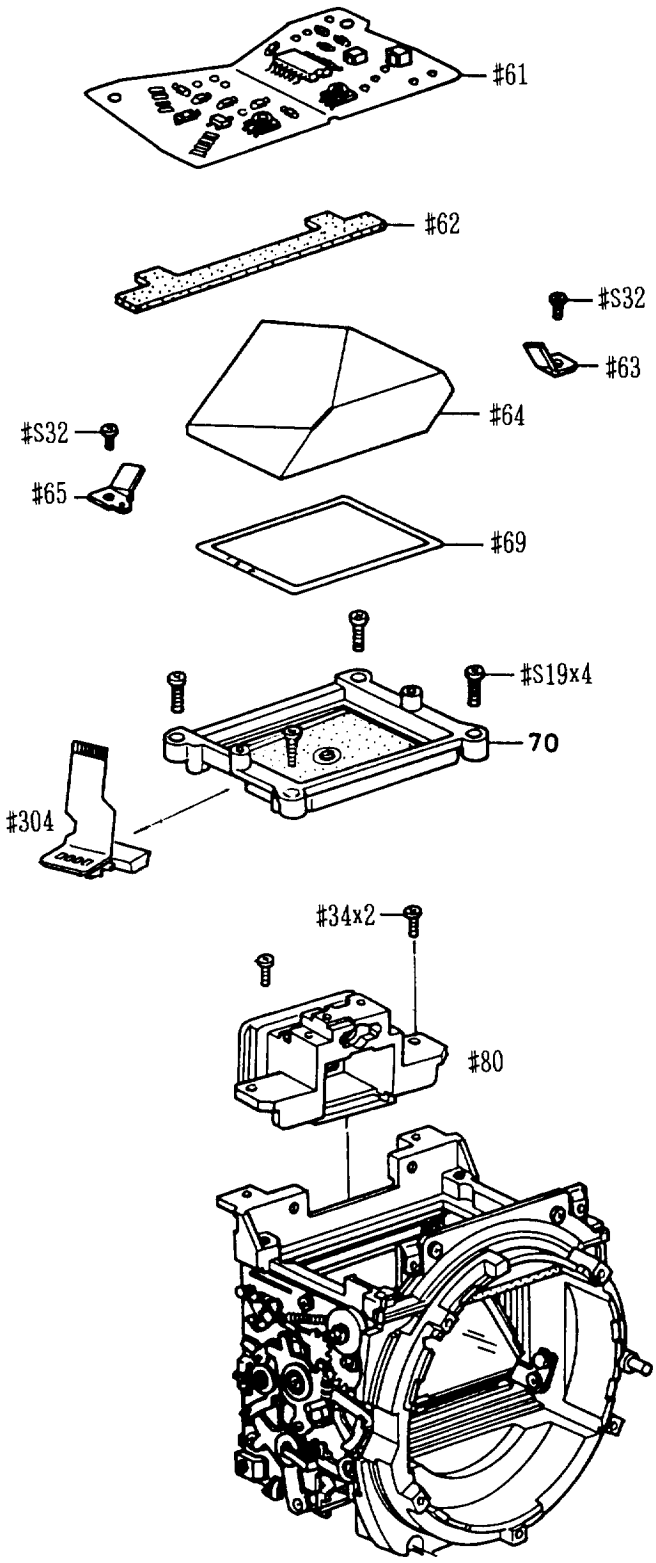
(2) Light baffle plate #176, screw #S6

5. Mirror driving unit

(1) Operating base plate #174. Hook a spring at the location shown in the figure. (Screw #S6x2, #S20)

(2) SL plate #189. (Screws #S8x3)

6. Prism unit



(1) Prism stand unit (Screws #S19x4)

(2) Prism frame #69

(3) Prism #64

(4) Prism securing plates #63x2
(Screws #S32x2)

(5) Eyepiece frame unit #80
(Screws #S34x2)

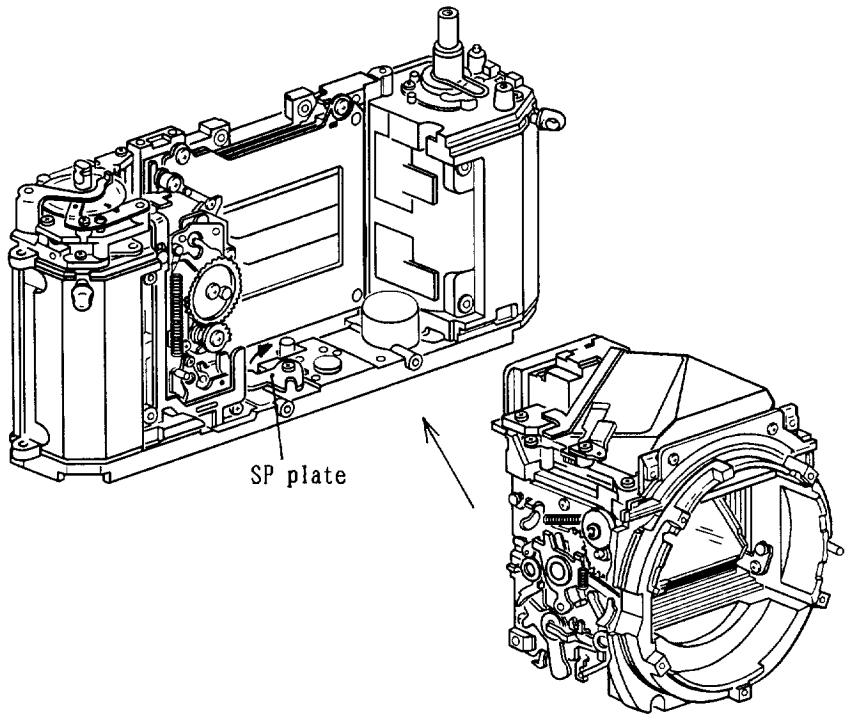
(6) When attaching LED base plate #304, push it as far as it will go and secure it using adhesive 551A.

(7) Secure main FPC #61 with double coated adhesive tape.

Attaching wires

- f-fo PCB (Gray, Yellow, White)
- Meter SW) (Pink, Purple)
- SPD PCB (Green, POrange)
- Soldering bridge
(LED base plates x4)

Mounting the front plate and the main body



Procedures

(1) Set the shutter on the main body side.
(Shutter setting)

(2) Set the SL plate at the location shown in the figure.

(3) Align the SL plate and notch with the setting lever on the front plate and mount.

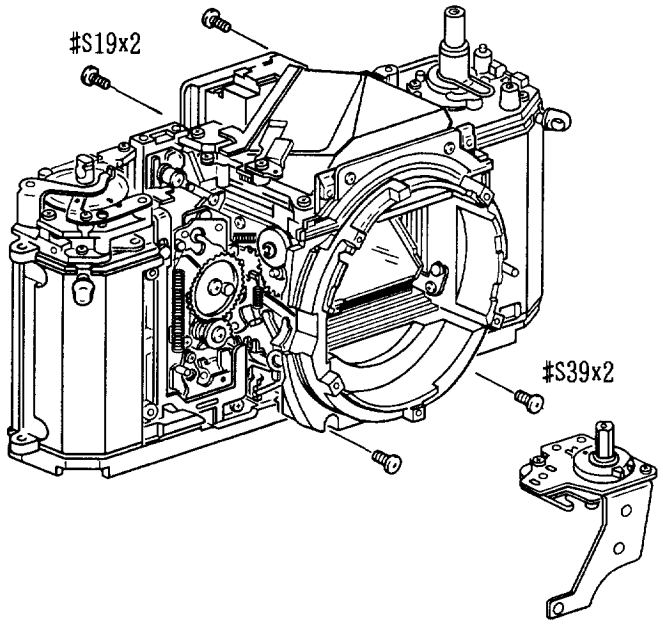
Note; Do not set the shutter on the front plate side.

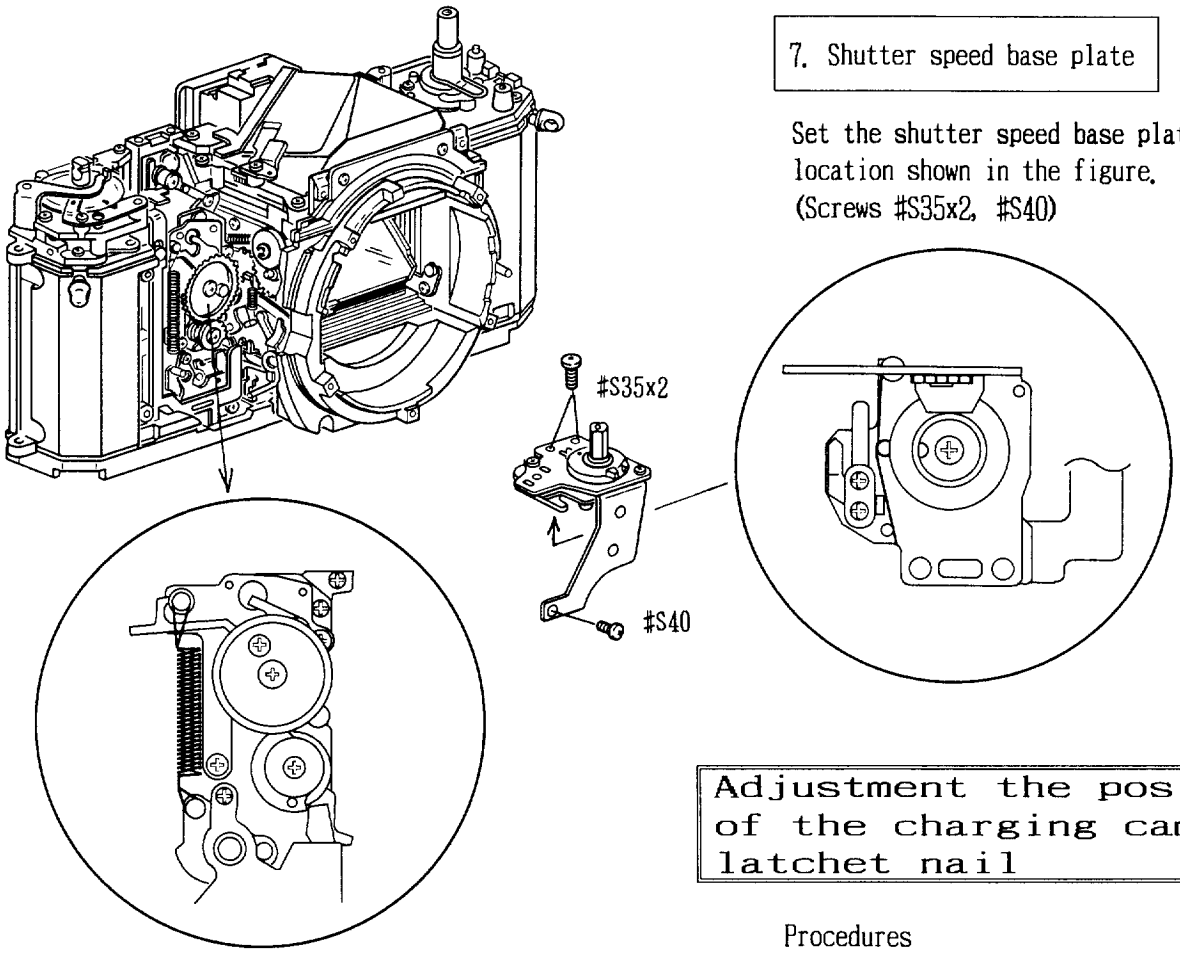
(4) Screws #S19x2, #S39x2

(5) Set the shutter again.

(6) When shutter can be released, the mounting has been completed.

(7) If not, repeat the same procedures once again.





7. Shutter speed base plate

Set the shutter speed base plate at the location shown in the figure.
(Screws #S35x2, #S40)

Adjustment the position of the charging cam and latchet nail

Procedures

(1) Set the camera in the film advance completion state.

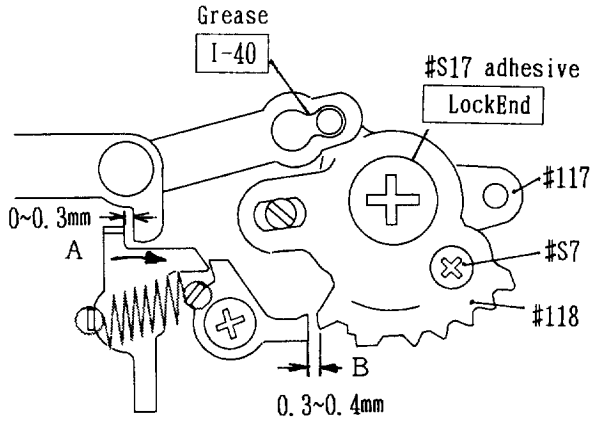
(2) Check to see if gap A between the charging lever and the latchet nail releaseing lever is within a range of 0 to 0.3mm.

Adjustment
Bend the latchet nail releasing lver in the direction of the arrow.

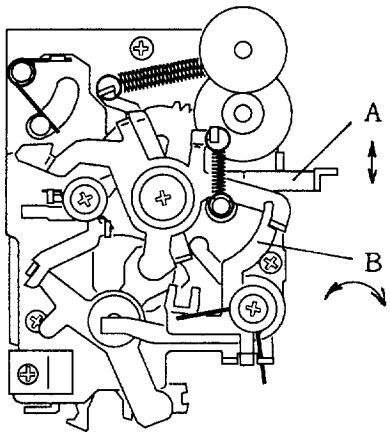
(3) At this stage, check to see if gap B between the latchet nail and charging cam is within a range of 0.3 to 0.4mm.

Adjustment
Unfasten screws #S17 and #S7, and rotate the eccentric screw.

- After adjustment, secure them with LockEnd B.



Adjustment height of aperture lever



Standard value $3.1^{+0.1}_{-0}$
Balance between befor/after charge after 0.15 to 0.3mm

Adjustment procedures

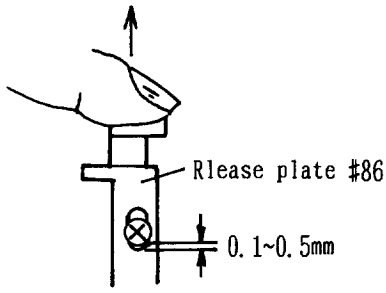
(1) Bayonet spring #59, bayonet

(2) Measure the height of the aperture lever near the center of the camera using tool (J18004).

(3) If the standard value cannot be obtained, bend the mechanical latch plate B to adjust.

(4) If there is still no difference in the height before and after the advancement of film, bend the aperture lever stopper A to adjust.

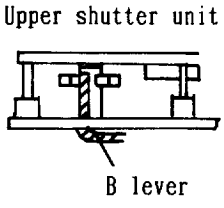
Adjusting mirror moving up position

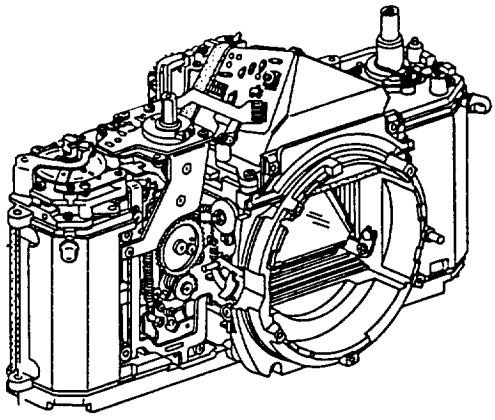


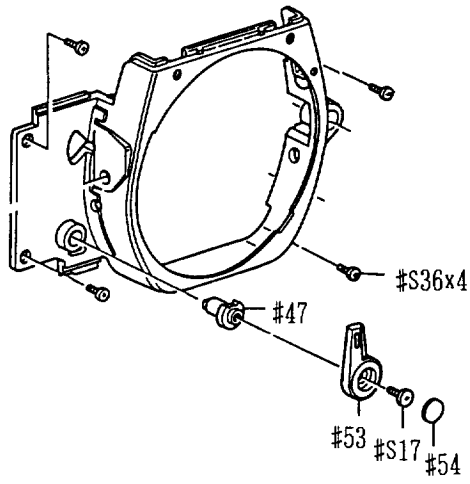
(1) Set the shutter speed dial to B (bulb), and hold shutter release plate #86.

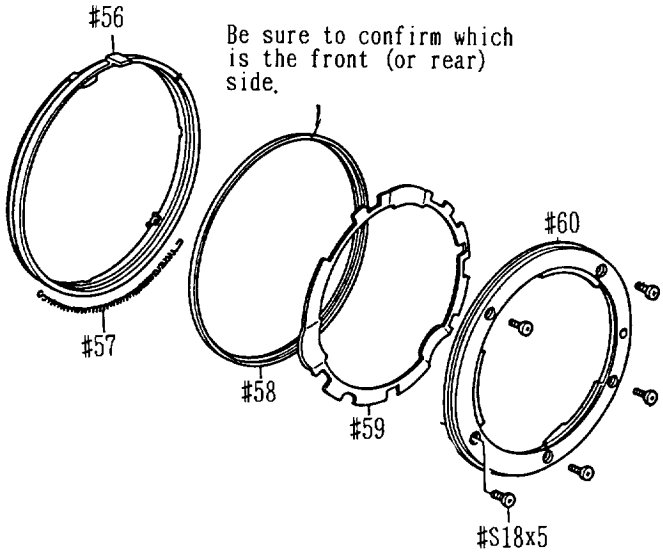
(2) Make sure that the mirror returns at the location as shown in the figure when releasing the hold slowly.

(3) If the adjusted position is still out of the standard value, bend the lever B inside shutter unit.









8. Bayonet

(1) Mount MT cover unit #41 and aperture coupling ring #56 together.

(2) Attach spring #57 into the hole on the aperture coupling ring. (Screws #S36x4)

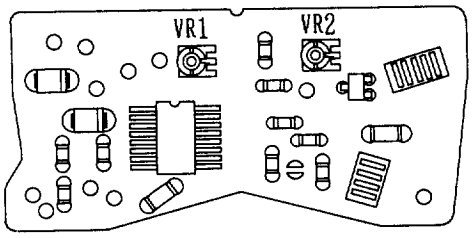
(3) Attach a mount spring and a mount. (Screws #S18x5)

(4) Self-timer lever #53. (Screws #S17)

(5) Attaching cords

- Battery contact cord (Red)
- Sync cord (Blue)
- Solding bridges x5

Adjusting meter accuracy



γ adjustment (EV15)

(1) Using a 50mm f/1.4 lens with film speed set at ISO 100, set the shutter speed to 1/500 sec. and aperture to f/8, then adjust the VR1 so that the green LED comes on.

Shift adjustment (EV6)

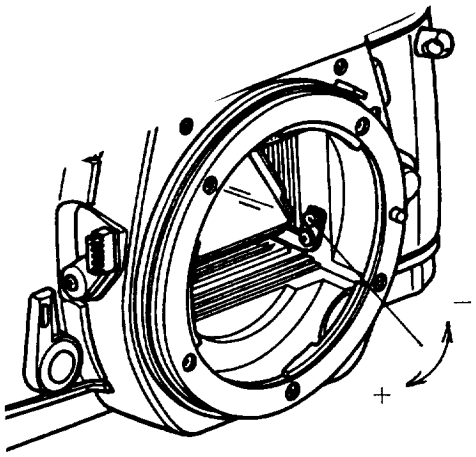
(2) Likewise, set the shutter speed to 1/2 sec, aperture to f/5.6, then adjust the VR2 so that the green LED comes on.

(3) Repeat the procedures (1) and (2) above.

(4) Make an accuracy inspection on each light level.
※ Refer to the standard value for inspection.

Adjustment	Aperture	Shutter speed	Semi-fixed resistor
Gamma	f/8	1/500 sec.	VR1
Shift	f/5.6	1/2 sec.	VR2

Adjustment at infinity setting

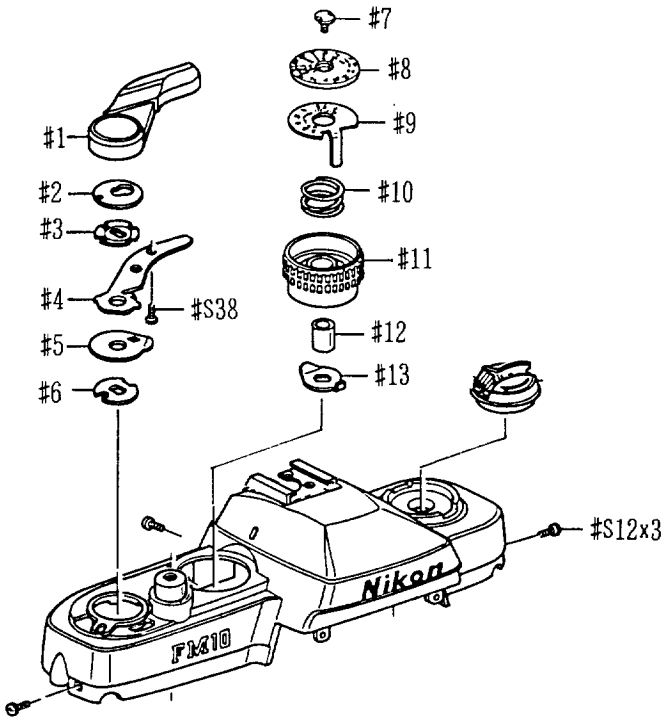


(1) Mount a 50mm f/1.4 standard lens on the camera and align the camera with collimator (J19001).

(2) Look into the camera's viewfinder and check if the splits are correctly fit.

(3) If not fit, rotate the hexagon nut to adjust as shown in the figure.

(4) After adjustment, aaply black paint on the hexagon nut.



9. Top cover

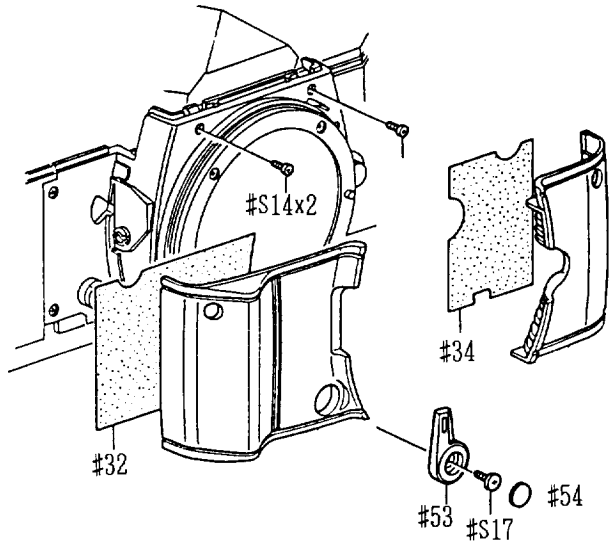
(1) Top cover unit #14

Screws #S14x2, #S12x3

(2) Shutter dial unit (Screw #7)

(3) Film advance lever unit

(4) Film rewind knob unit #27



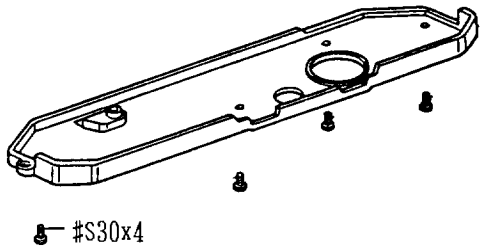
(5) Hand grip rubber #33, right rubber #35

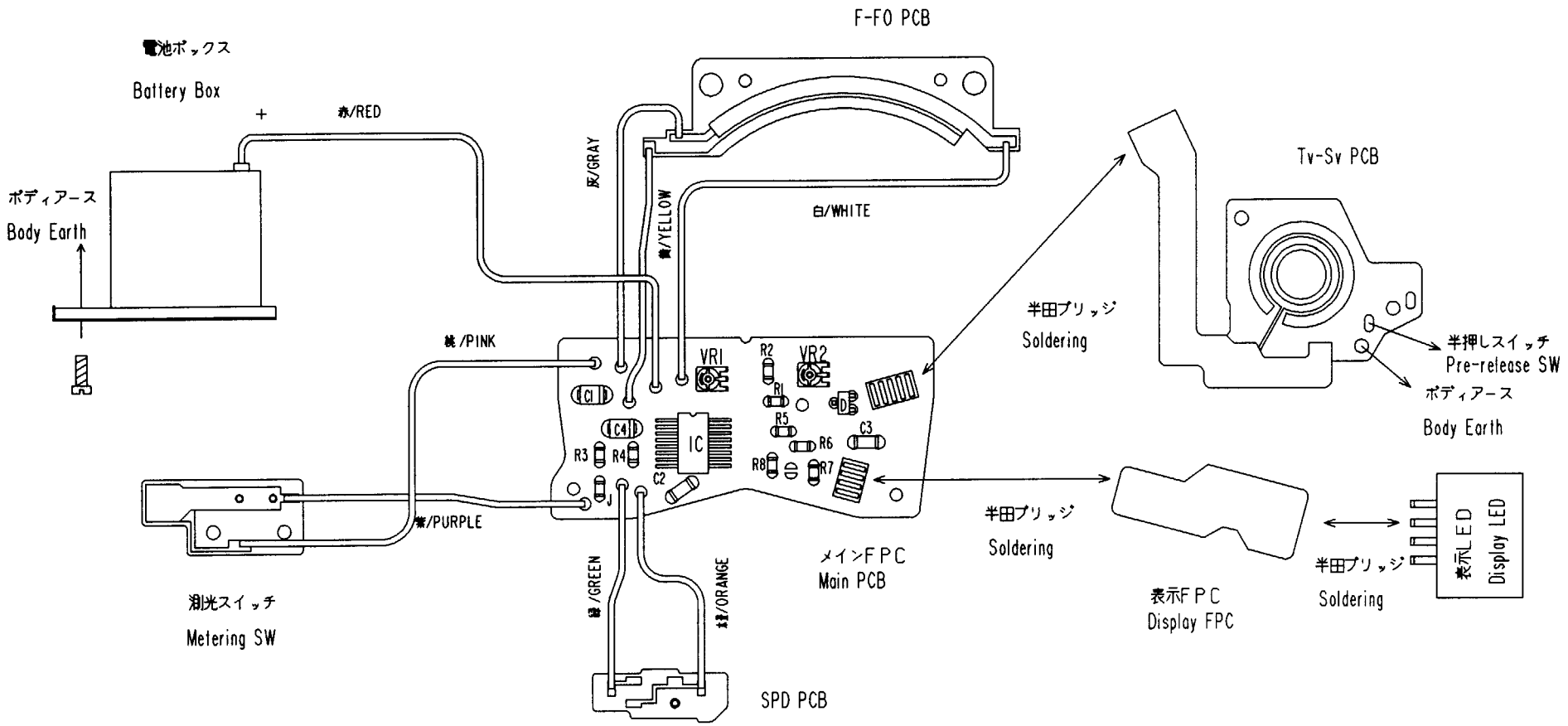
(6) Self-timer lever #53

Screw #S17, seal #54

(7) Camera back unit #A36

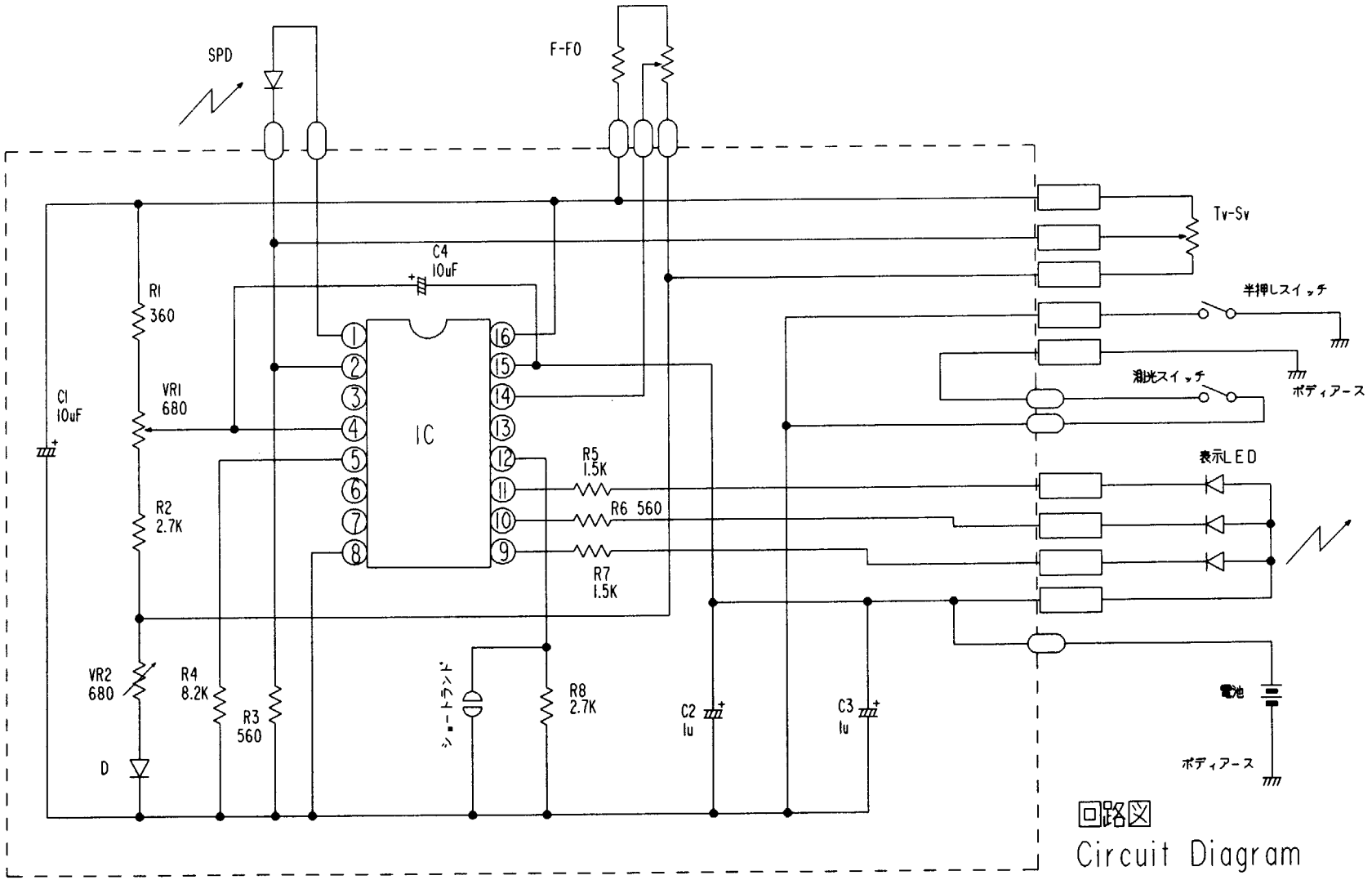
(8) Bottom cover #39 (Screws #S30x4)





実体配線図
Wiring Diagram

FAA31051-R.3377.A



回路図
Circuit Diagram

INSPECTION STANDARDS
FOR REPAIR

FAA31051-R3377. A

<table>
<tr><th></th><th>Item</th><th>Condition / Standard</th><th>Remarks</th></tr>
<tr><td rowspan="4">WINDING REWIND/RELEASE</td><td>Film advance</td><td>Film loaded torque : 4.5Kg-cm or less</td><td rowspan="4">Bar-type pressure gauge

slide calipers</td></tr>
<tr><td>spool</td><td>Slipping torque : 180 ～ 450g</td></tr>
<tr><td>Rewind knob</td><td>Rewind torque : 1.5Kg-cm or less</td></tr>
<tr><td>Shutter button</td><td>Release power : 300 ～ 600g

Switch ON stroke : 0.3 ～0.8 mm</td></tr>
<tr><td rowspan="15">SHUTTER SPEEDS DELIVERY</td><td>Exposure time</td><td>(ms)
<table><tr><th>Shutter speed</th><th>Upper limit</th><th>Standard</th><th>Lower limit</th><th>Exposure variation</th></tr><tr><td>1</td><td>1366</td><td>1000</td><td>732</td><td rowspan="8">±0.45EV</td></tr><tr><td>1/2</td><td>683</td><td>500</td><td>366</td></tr><tr><td>1/4</td><td>342</td><td>250</td><td>183</td></tr><tr><td>1/8</td><td>171</td><td>125</td><td>91.5</td></tr><tr><td>1/15</td><td>85.4</td><td>62.5</td><td>45.8</td></tr><tr><td>1/30</td><td>42.7</td><td>31.25</td><td>22.9</td></tr><tr><td>1/60</td><td>21.4</td><td>15.63</td><td>11.4</td></tr><tr><td>1/125</td><td>11.0</td><td>7.81</td><td>7.81</td><td>0 ～+0.5EV</td></tr><tr><td>1/250</td><td>5.92</td><td>3.91</td><td>2.58</td><td rowspan="2">±0.6EV</td></tr><tr><td>1/500</td><td>2.96</td><td>1.95</td><td>1.29</td></tr><tr><td>1/1000</td><td>1.64</td><td>0.98</td><td>0.58</td><td rowspan="2">±0.75EV</td></tr><tr><td>1/2000</td><td>0.82</td><td>0.49</td><td>0.29</td></tr></table></td><td>Shutter tester</td></tr>
<tr><td>X contact</td><td>Timelag 0～ 1.0 ms</td><td rowspan="2">Flash synch tester</td></tr>
<tr><td>contact rate</td><td>50% or more</td></tr>
<tr><td>Self-timer</td><td>Delayed action time : 10±3 sec</td><td>Stop watch</td></tr>
</table>

FAA31051-R3377. A

	Item	Condition / Standard	Remarks
VIEWFINDER	Infinity focus	±20″ (Not to be varied after/before winding)	
	Viewfinder coverage	93 % or more	
EXPOSURE METER ACCURACY	Accuracy allowance	ISO 100 K = 1.16 50mm / F1.4 L V: 6 / 9 / 12 / 15 F: 2.8 / 4 / 5.6 / 8 Shutter speed: 1/8 / 1/30 / 1/125 / 1/500 ● Turns ON ○ Turns OFF + ● ● ○ ○ ○ ① ±0.5 EV ○ ○ ● ● ● ○ ② 0.3~1.4 EV − ○ ○ ○ ● ● ③ −0.3 ~1.7 EV ↑ ② ↑ ① ↑ ③	Shutter tester Tool lens (50/1.4)
LENS MOUNT	Aperture lever height	After mirror charge : 3.1 +0.1 ~−0 Balance between befor/after charge : 0.15 ~ 0.3mm	Aperture lever positioning gauge
		Torgue : 95 g or more	Bar-type pressure gauge
	Aperture coupling ring	Torgue forward 650 g reversed 300 g	Dial gauge
	Metal back focus	46.67 ±0.02 mm	
		Parllelness : 0.04 mm or less	
		Balance of height between internal and external film rails : 0.23 ±0.03	
OTHERS	Pressure plate	Leveling : 0.05 mm or less	
	Battery checker	LED turns on at 2.6V and off at 2.2V	Power supply Digital malti-meter
	Current consumption	5 mA (max) When one LED Turns ON 10mA (max) When both LED Turns ON	